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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/674,116	09/29/2003	Peter J. Dronzek JR.	181-030B	2428
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EXAMINER				
GOFF II, JOHN L				
ART UNIT		PAPER NUMBER		
1791				
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03/09/2009		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/674,116

**Applicant(s)**

DRONZEK, PETER J.

**Examiner**

John L. Goff

**Art Unit**

1791

**Period for Reply** -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 February 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 25-36 and 38-50 is/are pending in the application.
- 4a) Of the above claim(s) 48 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 25-36, 38-47, 49 and 50 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Paper No(s)/Mail Date \_\_\_\_\_
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(c), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(c) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/8/08 has been entered.
2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:  

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
4. Claims 25-36, 38-47, 49, and 50 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.
5. Claim 25 as amended requires "placing said microvoided polymeric patch label in a label magazine or gripper and feeding said microvoided polymeric patch label from said magazine or

gripper to a point where a water based adhesive is applied to said microvoided polymeric label to form a fastenable polymeric patch". Claims 47 and 50 require similar. It is unclear where in the specification feeding the label from a gripper to a point where the adhesive is applied. The specification appears to describe the opposite, i.e. applying the adhesive to the label and feeding the label to a gripper (Page 5, line 27 to Page 6, line 10). It is suggested to delete "or gripper" from the claims to overcome the rejection.

***Claim Rejections - 35 USC § 103***

6. Claims 25, 47, 49, and 50 are rejected under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art (Specification pages 4-6) in view of Malhotra (U.S. Patent 5,885,678) or Ito et al. (U.S. Patent 5,422,175).

The admitted prior art discloses a conventional method of labeling a glass or plastic container by means of a water based adhesive through a method comprising selecting a paper or polymeric label that will readily feed from a label magazine, placing the label in the label magazine, feeding the label from the label magazine to a label holder which applies the water based adhesive to the label to form a fastenable label, fastening the label to the container, and allowing the label to dry/cure on the container (Specification pages 5 and 6). The admitted prior art is silent as to the label comprising a microvoided polymer it being noted the admitted prior art teaches paper or polymeric labels as exemplary. It was known in the labeling art that label materials include any of paper, polymer, and microvoided polymer such as microvoided polypropylene as shown by Malhotra (Column 6, lines 30-64). Ito specifically discloses a microvoided polymeric label material comprising an inner microvoided polymeric base including

surface microvoids and an outer layer easily written on, the label having a high definition for printing, high durability, appearance of high quality, etc. (Column 1, lines 6-10 and Column 2, lines 18-28 and 37-42 and Column 3, lines 18-20 and Column 12, lines 7-10 and 23-29). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use as the label material in the admitted prior art any of those known as suitable in the art for the same such as microvoided polymer as shown by Malhotra. Further or alternatively, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use as the label material in the method taught by the admitted prior art the microvoided polymeric label taught by Ito having a high definition for printing, high durability, appearance of high quality, etc.

Regarding the limitation that the label is a "patch label", the admitted prior art appears to describe a patch label in combination with the application method and is considered to meet the limitation. In the event it is shown the admitted prior art does not necessarily teach a patch label in combination with the application method the following rejection would apply, it being noted the admitted prior art is not limited to any particular type of label. It is considered well taken in the art of labeling that there are two types of labels which include wrap labels which provided a 360 degree wrap around the container and cut patch labels with less than 360 degree wrap as shown for example by the admitted prior art (Page 4, lines 21-25). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use as the label taught by the admitted prior art either of those well known to one of ordinary skill in the art such as a wrap label or a patch label as evidenced by the admitted prior art depending on the amount of information conveyed by the label, the decorative effect of the label, etc.

Regarding claim 47, Malhotra teaches the microvoided polymer is polypropylene, and Ito teaches the microvoided polymeric base includes polyolefin-type resins wherein polypropylene is specifically noted in the background of Ito (Column 1, lines 62-66 and Column 3, lines 65-66). It would have been obvious to one of ordinary skill in the art the time the invention was made to use as the polyolefin component of the microvoided polymeric base taught by the admitted prior art as modified by Ito any of the particular polyolefins suggested such as polypropylene by Malhotra and the background of Ito as only the expected results would be achieved.

Regarding claims 49 and 50, Ito specifically suggests the label has a density, i.e. specific gravity, less than 0.9 (See Example 1).

7. Claims 25, 47, 49, and 50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ito in view of the admitted prior art.

Ito discloses a microvoided polymeric label material comprising an inner microvoided polymeric base including surface microvoids and an outer layer easily written on, the label having a high definition for printing, high durability, appearance of high quality, etc. Ito is silent as to any specific method and adhesive for using the material as a label. The admitted prior art discloses a conventional method of labeling a glass or plastic container by means of a water based adhesive through a method comprising selecting a paper or polymeric label that will readily feed from a label magazine, placing the label in the label magazine, feeding the label from the label magazine to a label holder which applies the water based adhesive to the label to form a fastenable label, fastening the label to the container, and allowing the label to dry/cure on the container. It would have been obvious to one of ordinary skill in the art at the time the invention was made to use the label material taught by Ito to label glass or plastic containers

using a water based adhesive as taught by the admitted prior art to form glass or plastic containers having labels with a high definition for printing, high durability, appearance of high quality, etc.

Regarding the limitation that the label is a "patch label", the admitted prior art appears to describe a patch label in combination with the application method and is considered to meet the limitation. In the event it is shown the admitted prior art does not necessarily teach a patch label in combination with the application method the following rejection would apply, it being noted Ito and the admitted prior art are not limited to any particular type of label. It is considered well taken in the art of labeling that there are two types of labels which include wrap labels which provided a 360 degree wrap around the container and cut patch labels with less than 360 degree wrap as shown for example by the admitted prior art. It would have been obvious to one of ordinary skill in the art at the time the invention was made to use as the label taught by Ito as modified by the admitted prior art either of those well known to one of ordinary skill in the art such as a wrap label or a patch label as evidenced by the admitted prior art depending on the amount of information conveyed by the label, the decorative effect of the label, etc.

Regarding claims 49 and 50, Ito specifically suggests the label has a density, i.e. specific gravity, less than 0.9 (See Example 1).

8. Claims 25-27, 30-36, 38, 45-47, 49, and 50 are rejected under 35 U.S.C. 103(a) as being unpatentable over in Gobel (U.S. Patent 3,296,723) in view of Malhotra or Ito, the admitted prior art, and optionally Spannkebel et al. (U.S. Patent 3,888,724).

Gobel discloses a method of labeling a glass, plastic, or metal container or surface with a printable label through a method comprising selecting a paper or polymeric patch label, applying

an adhesive hydrophilic coating to the label, and drying the coating to form a label having a hydrophilic coating. Gobel further teaches using the label by applying a water based adhesive to the hydrophilic coating to form a fastenable polymeric label, and fastening the label to the container or surface (Figure 3 and Column 2, lines 9-16 and 53-65 and Column 3, lines 1-6 and Column 4, lines 33-36). Gobel is silent as to the label material comprising a microvoided polymeric material, it being noted Gobel is not limited to any particular label material and suggest as exemplary polyvinylchloride in addition to other conventional materials such as paper. It was known in the labeling art that label materials include any of paper, polyvinylchloride, and microvoided polymer such as microvoided polypropylene as shown by Malhotra (Column 6, lines 30-64). Ito specifically discloses a microvoided polymeric label material comprising an inner microvoided polymeric base including surface microvoids and an outer layer easily written on, the label having a high definition for printing, high durability, appearance of high quality, etc. (Column 1, lines 6-10 and Column 2, lines 18-28 and 37-42 and Column 3, lines 18-20 and Column 12, lines 7-10 and 23-29). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use as the label material in Gobel any of those known as suitable in the art for the same such as microvoided polymer as shown by Malhotra. Further or alternatively, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use as the label material in the method taught by Gobel the microvoided polymeric label taught by Ito having a high definition for printing, high durability, appearance of high quality, etc.

Regarding the limitation that the label "will readily feed from a label magazine or gripper and will allow a water based adhesive to migrate into said microvoided polymeric label",



“placing said microvoided polymeric patch label in a label magazine or gripper and feeding said microvoided polymeric patch label from said magazine or gripper to a point where a water based adhesive is applied to said microvoided polymeric patch label”, and “allowing said polymeric label to dry on said glass, plastic or metal surface or container”, Gobel does not specifically teach any specific technique for applying the water based adhesive to the label having a hydrophilic coating, it being noted Gobel is not limited to any particular technique. The admitted prior art as fully described above discloses a conventional method of labeling a glass or plastic container by means of a water based adhesive applied to a label. It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the water based adhesive to the hydrophilic coated label and apply the label to the container as taught by Gobel using the conventional method as shown by the admitted prior art only the expected results being achieved. The declaration by Leslie Fernandez submitted 12/20/07 is noted wherein it appears applicants may interpret a label magazine as requiring a stack such that the labels having the adhesive hydrophilic coating thereon taught by Gobel may adhere to one another when placed in a label magazine. However, it is noted a label magazine as understood in the art is not limited to a stack wherein Spannknebel evidence known label magazines for feeding a label to a label holder wherein the magazine includes a reel of release sheet for carrying labels having an adhesive thereon (Column 4, lines 15-60). It would have been obvious to one of ordinary skill in the art at the time the invention was made that the label magazine taught by Gobel as modified by the admitted prior art is a label magazine of the type optionally shown by Spannknebel known for use with labels of the type taught by Gobel.

Regarding the limitation that the label is a "patch label", Gobel appears to describe a patch label (Column 4, lines 33-36), and as such is considered to meet the limitation. In the event it is shown Gobel does not necessarily teach a patch label the following rejection would apply, it being noted Gobel is not limited to any particular type of label. It is considered well taken in the art of labeling that there are two types of labels which include wrap labels which provided a 360 degree wrap around the container and cut patch labels with less than 360 degree wrap as shown for example by the admitted prior art (Page 4, lines 21-25). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use as the label taught by Gobel either of those well known to one of ordinary skill in the art such as a wrap label or a patch label as evidenced by the admitted prior art depending on the amount of information conveyed by the label, the decorative effect of the label, etc.

Regarding claim 32, the hydrophilic coating applied to the label as taught by Gobel is considered applied with 100% coverage (See the Figures).

Regarding claim 33, Gobel does not specifically teach the thickness of the water based adhesive. Absent any unexpected results, it would have been obvious to one of ordinary skill in the art at the time the invention was made to experimentally determine the thickness of the water based adhesive required in Gobel to achieve a good bond between the label and the container or surface as doing so would have required nothing more than ordinary skill and routine experimentation.

Regarding claim 34, Ito teaches the polymeric label is a co-extruded film including polyester and coloring agent (Column 5, lines 13-17 and Column 9, lines 17-20).

Regarding claim 35, Ito teaches the layer easily written on that is laminated to the base considered a low density polymeric label surface may included printed indicia, e.g. a bar code, wherein it is considered obvious to one of ordinary skill in the art at the time the invention was made to use as the printed indicia on the layer easily written on taught by Gobel any decorative indicia including reverse printed indicia as only the expected results would be achieved.

Regarding claims 36 and 38, Ito teaches the polymeric label includes an outer layer easily written on that is roughened which is considered an adhesion promoting layer to promote indicia adhesion (Column 12, lines 7-10). Further, Ito teaches optionally including an inner layer of the same type which is considered a tie layer to the hydrophilic layer (Column 3, lines 15-18). It being further noted tie layers and primer are considered well known in the art for adhesion promoting such that it would have been obvious to one of ordinary skill in the art at the time the invention was made to include on either surface of the label base taught by Gobel as modified by Malhotra or Ito a well known adhesion promoting tie layer or primer.

Regarding claims 45 and 46, Gobel teaches the hydrophilic layer is a derivative of polyacrylic acid wherein absent any unexpected results it would have been obvious to one of ordinary skill in the art at the time the invention was made to use any of the well known derivatives of polyacrylic acid such as carboxylated sodium polyacrylate.

Regarding claim 47, Malhotra teaches the microvoided polymer is polypropylene, and Ito teaches the microvoided polymeric base includes polyolefin-type resins wherein polypropylene is specifically noted in the background of Ito (Column 1, lines 62-66 and Column 3, lines 65-66). It would have been obvious to one of ordinary skill in the art the time the invention was made to use as the polyolefin component of the microvoided polymeric base taught by Gobel as modified

by Ito and optionally the admitted prior art any of the particular polyolefins suggested such as polypropylene by Malhotra and the background of Ito as only the expected results would be achieved.

Regarding claims 49 and 50, Ito specifically suggests the label has a density, i.e. specific gravity, less than 0.9 (See Example 1).

9. Claims 28, 29, 43, and 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gobel, Malhotra or Ito, the admitted prior art, and optionally Spannknebel as applied to claims 25-27, 30-36, 38, 45-47, 49, and 50 above, and further in view of Jannusch (U.S. Patent 4,440,884).

Regarding claims 28, 29, and 44, Gobel, Malhotra or Ito, the admitted prior art, and optionally Spannknebel as applied above teach all of the limitations in claims 28, 29, and 44 except for a specific teaching of the water based adhesive, which is considered coated/added to the hydrophilic layer, as including a catalyst, it being noted Gobel is not limited to any particular water based adhesive and suggest a water based gum adhesive. Jannusch discloses a water based adhesive which maintains a strong bond between a label and an object to which it is attached wherein the adhesive comprises gum, starch, casein, etc. and includes a crosslinking catalyst to provide a quick bond (Column 1, lines 5-10 and Column 3, lines 36-51). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use as the water based adhesive in Gobel as modified by Malhotra or Ito, the admitted prior art, and optionally Spannknebel the water based adhesive including gum, starch, or casein shown by Jannusch to strongly bond the label to the container.

Regarding claim 43, Gobel, Malhotra or Ito, the admitted prior art, and optionally Spannknebel as applied above teach all of the limitations in claim 43 except for a specific teaching of the hydrophilic layer including humectants. It is considered well taken in the art that a hydrophilic polymeric composition include humectants to control its viscosity, i.e. curl control and layflat properties, wherein Jannusch are exemplary of a hydrophilic composition including humectants to control the viscosity and bond strength of the composition (Column 3, lines 63-68 and Column 4, lines 5-14). It would have been obvious to one of ordinary skill in the art at the time the invention was made to include in the hydrophilic layer taught by Gobel as modified by Malhotra or Ito, the admitted prior art, and optionally Spannknebel humectants as shown by Jannusch to control the viscosity and bond strength of the composition.

10. Claims 39-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gobel, Malhotra or Ito, the admitted prior art, and optionally Spannknebel as applied to claims 25-27, 30-36, 38, 45-47, 49, and 50 above, and further in view of Kelly (U.S. Patent 4,978,436).

Gobel, Malhotra or Ito, the admitted prior art, and optionally Spannknebel as applied above teach all of the limitations in claims 39-42 except for a specific teaching of a protective coating placed over the printed indicia on the outer layer, e.g. a bar code label. Kelly discloses a method wherein a protective coating layer including slip aids is placed on a substrate that is used as a label wherein the coating layer has slip properties that facilitates use of the coating layer on a high speed packaging apparatus (Column 1, lines 16-30). It would have been obvious to one of ordinary skill in the art at the time the invention was made to include over the outer layer of the label taught by Gobel as modified by Malhotra or Ito, the admitted prior art, and optionally

Spannknebel the protective coating shown by Kelly to provide optimum high speed application of the label.

11. Claims 26, 27, 30-36, 38, 45 and 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ito and the admitted prior art as applied to claims 25, 47, 49, and 50 above, and further in view of Gobel.

Ito and the admitted prior art as applied above teach all of the limitations in claims except for a teaching of including a hydrophilic layer. Gobel discloses a method of labeling a glass, plastic, or metal container or surface with a printable label through a method comprising selecting a paper or polymeric patch label and applying a hydrophilic coating to the label. Gobel teaches the label is attached to the container or surface by applying a water based adhesive to the hydrophilic coating to form a fastenable polymeric label and fastening the label to the container or surface. Gobel teaches the hydrophilic coating prevents any tendency to curl, any tendency to exhibit stains, or any tendency of uneven or otherwise impaired adhesion due to partial repulsion of the water based adhesive by the paper or polymeric label (Column 3, lines 1-5). It would have been obvious to one of ordinary skill in the art at the time the invention was made to include in Ito as modified by the admitted prior art a hydrophilic coating between the microvoided polymeric patch label and water based adhesive as shown by Gobel to prevent any tendency to curl, any tendency to exhibit stains, or any tendency of uneven or otherwise impaired adhesion due to partial repulsion of the water based adhesive by the paper or polymeric label. The declaration by Leslie Fernandez submitted 12/20/07 is noted wherein it appears applicants may interpret a label magazine as requiring a stack such that the labels having the adhesive hydrophilic coating thereon taught by Gobel may adhere to one another when placed in a label

magazine. However, it is noted a label magazine as understood in the art is not limited to a stack wherein Spannkebel evidence known label magazines for feeding a label to a label holder wherein the magazine includes a reel of release sheet for carrying labels having an adhesive thereon (Column 4, lines 15-60). It would have been obvious to one of ordinary skill in the art at the time the invention was made that the label magazine taught by Ito as modified by the admitted prior art and Gobel is a label magazine of the type optionally shown by Spannkebel known for use with labels of the type taught by Ito as modified by the admitted prior art and Gobel.

Regarding claim 32, the hydrophilic coating applied to the label as taught by Gobel is considered applied with 100% coverage (See the Figures).

Regarding claim 33, the admitted prior art does not specifically teach the thickness of the water based adhesive. Absent any unexpected results, it would have been obvious to one of ordinary skill in the art at the time the invention was made to experimentally determine the thickness of the water based adhesive required in Ito as modified by the admitted prior art and Gobel to achieve a good bond between the label and the container or surface as doing so would have required nothing more than ordinary skill and routine experimentation.

Regarding claim 34, Ito teaches the polymeric label is a co-extruded film including polyester and coloring agent (Column 5, lines 13-17 and Column 9, lines 17-20).

Regarding claim 35, Ito teaches the layer easily written on that is laminated to the base considered a low density polymeric label surface may included printed indicia, e.g. a bar code, wherein it is considered obvious to one of ordinary skill in the art at the time the invention was

made to use as the printed indicia on the layer easily written on taught by Ito any decorative indicia including reverse printed indicia as only the expected results would be achieved.

Regarding claims 36 and 38, Ito teaches the polymeric label includes an outer layer easily written on that is roughened which is considered an adhesion promoting layer to promote indicia adhesion (Column 12, lines 7-10). Further, Ito teaches optionally including an inner layer of the same type which is considered a tie layer to the hydrophilic layer (Column 3, lines 15-18). It being further noted tie layers and primer are considered well known in the art for adhesion promoting such that it would have been obvious to one of ordinary skill in the art at the time the invention was made to include on either surface of the label base taught by Ito a well known adhesion promoting tie layer or primer.

Regarding claims 45 and 46, Gobel teaches the hydrophilic layer is a derivative of polyacrylic acid wherein absent any unexpected results it would have been obvious to one of ordinary skill in the art at the time the invention was made to use any of the well known derivatives of polyacrylic acid such as carboxylated sodium polyacrylate.

12. Claims 28, 29, 43, and 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ito, the admitted prior art, Gobel, and optionally Spannknebel as applied to claims 26, 27, 30-36, 38, 45 and 46 above, and further in view of Jannusch.

Regarding claims 28, 29, and 44, Ito, the admitted prior art, Gobel, and optionally Spannknebel as applied above teach all of the limitations in claims 28, 29, and 44 except for a specific teaching of the water based adhesive, which is considered coated/added to the hydrophilic layer, as including a catalyst, it being noted the admitted prior art is not limited to any particular water based adhesive and suggest a water based gum adhesive. Jannusch discloses



a water based adhesive which maintains a strong bond between a label and an object to which it is attached wherein the adhesive comprises gum, starch, casein, etc. and includes a crosslinking catalyst to provide a quick bond. It would have been obvious to one of ordinary skill in the art at the time the invention was made to use as the water based adhesive in Ito as modified by the admitted prior art, Gobel, and optionally Spannknebel the water based adhesive including gum, starch, or casein shown by Jannusch to strongly bond the label to the container.

Regarding claim 43, Ito, the admitted prior art, Gobel, and optionally Spannknebel as applied above teach all of the limitations in claim 43 except for a specific teaching of the hydrophilic layer including humectants. It is considered well taken in the art that a hydrophilic polymeric composition include humectants to control its viscosity, i.e. curl control and layflat properties, wherein Jannusch are exemplary of a hydrophilic composition including humectants to control the viscosity and bond strength of the composition (Column 3, lines 63-68 and Column 4, lines 5-14). It would have been obvious to one of ordinary skill in the art at the time the invention was made to include in the hydrophilic layer taught by Ito as modified by the admitted prior art, Gobel, and optionally Spannknebel humectants as shown by Jannusch to control the viscosity and bond strength of the composition.

13. Claims 39-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ito, the admitted prior art, Gobel, and optionally Spannknebel as applied to claims 26, 27, 30-36, 38, 45 and 46 above, and further in view of Kelly.

Ito, the admitted prior art, Gobel, and optionally Spannknebel as applied above teach all of the limitations in claims 39-42 except for a specific teaching of a protective coating placed over the printed indicia on the outer layer, e.g. a bar code label. Kelly discloses a method

wherein a protective coating layer including slip aids is placed on a substrate that is used as a label wherein the coating layer has slip properties that facilitates use of the coating layer on a high speed packaging apparatus (Column 1, lines 16-30). It would have been obvious to one of ordinary skill in the art at the time the invention was made to include over the outer layer of the label taught by Ito as modified by the admitted prior art, Gobel, and optionally Spannknebel the protective coating shown by Kelly to provide optimum high speed application of the label.

### ***Double Patenting***

14. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

15. Claims 25-36, 38-47, 49, and 50 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-21 of U.S. Patent No. 6,663,746 in view of Malhotra or Ito and optionally the admitted prior art. Although the conflicting claims are not identical, they are not patentably distinct from each other because claims 1-21 of U.S.

Patent No. 6,663,746 fully encompass claims 25-36, 38-47, 49, and 50 of the instant application except for a specific teaching of using a microvoided polymer as the polymer label which is obvious in view of Malhotra or Ito for the reasons fully set forth in the rejections above.

Regarding the limitations that the label “will readily feed from a label magazine or gripper and will allow a water based adhesive to migrate into said microvoided polymeric label”, “placing said microvoided polymeric patch label in a label magazine or gripper and feeding said microvoided polymeric patch label from said magazine or gripper to a point where a water based adhesive is applied to said microvoided polymeric patch label”, and “allowing said polymeric label to dry on said glass, plastic or metal surface or container”, claims 1-21 of U.S. Patent No. 6,663,746 teach using water based labeling equipment considered to meet the limitations. In the event it is shown using the equipment does not necessarily meet the limitations the following rejection would apply. It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the water based adhesive to the label and apply the label to the container as taught by claims 1-21 of U.S. Patent No. 6,663,746 using the conventional method as shown by the admitted prior art only the expected results being achieved.

16. Claims 25-36, 38-47, 49, and 50 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-45 of U.S. Patent No. 6,306,242 in view of Malhotra or Ito and the admitted prior art. Although the conflicting claims are not identical, they are not patentably distinct from each other because claims 1-45 of U.S. Patent No. 6,306,242 fully encompass claims 25-36, 38-47, 49, and 50 of the instant application except for a specific teaching of using a microvoided polymer as the polymer label which is obvious in view of Malhotra or Ito for the reasons fully set forth in the rejections above. Regarding the

Art Unit: 1791

limitations that the label “will readily feed from a label magazine or gripper and will allow a water based adhesive to migrate into said microvoided polymeric label”, “placing said microvoided polymeric patch label in a label magazine or gripper and feeding said microvoided polymeric patch label from said magazine or gripper to a point where a water based adhesive is applied to said microvoided polymeric patch label”, and “allowing said polymeric label to dry on said glass, plastic or metal surface or container”, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the water based adhesive to the label and apply the label to the container as taught by claims 1-45 of U.S. Patent No. 6,306,242 using the conventional method as shown by the admitted prior art only the expected results being achieved.

***Response to Arguments***

17. Applicant's arguments with respect to claims 25-36, 38-47, 49, and 50 have been considered but are moot in view of the new ground(s) of rejection.

Applicants argue, "Example 3 of Gobel has been repeated and the results are presented in a Declaration of Leslie Fernandez that is of record in U.S. 6,663,746 and a copy has been filed in the present application. That Declaration provides data that shows that label of Example 3 will not dry and the treated surface remains sticky like cellophane tape so that those individual labels will stick to one another and cannot be used in a labeling machine where they are stacked one upon another. The amendatory language of claims 25, 47 and 50 points out that the claimed process uses a patch label that will readily feed from a label magazine or gripper. In addition claims 25, 47 and 50 recites the direct application of an adhesive to the polymer label."

The previous differences between the declaration and Example 3 of Gobel referred to in the final rejection mailed 8/8/08 are noted. In addition it is noted Example III of Gobel uses 37.5 kg of polyvinylmethylether and the declaration used 62.5 g. In any event, Spannkebel is cited specifically to show that labels having an adhesive coating thereon analogous to the adhesive hydrophilic coating taught by Gobel may be used in a label magazine feeding labels to a label holder such as in the admitted prior art.

Applicant further argues, "The Ito patent only discloses a voided material that can be used for labeling and there is no reason to combine this patent with Gobel because if the voided film is used in place of the film *and* paper of Gobel the labels would not require the treatment taught by that patent."

It is unclear how applicant concludes the hydrophilic treatment taught by Gobel would not be used with the microvoided polymeric label taught by Ito as Gobel specifically suggests the utility of the hydrophilic coating is with paper and polymeric labels.

Applicant further argues, "Attached hereto is a further Declaration from Leslie Fernandez that reports that labels according to the invention which have a dried adhesive coating will feed from a magazine or gripper of a labeling machine. It is not seen that it is necessary to demonstrate that a label with a pressure sensitive adhesive or a sticky label will not feed from a magazine of a labeling machine because it is within the skill of the art to make this conclusion based on the established physical properties of the materials without jamming the magazine of a labeling machine in an actual test."

The declaration of Leslie Fernandez submitted 12/8/08 has been considered. It is unclear what is demonstrated by the declaration. The declaration does not appear to demonstrate that microvoided patch labels having a hydrophilic coating thereon can be fed from a magazine or gripper to a point where a water based adhesive is applied. The claims require the microvoided patch label feed from a magazine or gripper to a point where a water based adhesive is applied. The declaration refers to a hide glue as a water based adhesive applied before the labels are cut and placed into the labeler magazine such that the declaration is not commensurate in scope with that claimed, i.e. the declaration appears to show the opposite of that claimed.

***Conclusion***

18. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **John L. Goff** whose telephone number is **(571)272-1216**. The examiner can normally be reached on M-F (7:15 AM - 3:45 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Crispino can be reached on (571) 272-1226. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/John L. Goff/  
Primary Examiner, Art Unit 1791